

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/809,387  
Source: IFW  
Date Processed by STIC: 6/9/05

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 06/09/2005

PATENT APPLICATION: US/10/809,387

TIME: 16:45:25

Input Set : A:\SeqListing.txt

Output Set: N:\CRF4\06092005\J809387.raw

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3 <110> APPLICANT: Zhu, Zhenping
4   Witte, Larry
6 <120> TITLE OF INVENTION: Antibodies Specific to KDR and Uses Thereof
8 <130> FILE REFERENCE: 11245/46506
10 <140> CURRENT APPLICATION NUMBER: 10/809,387
11 <141> CURRENT FILING DATE: 2004-03-23
13 <150> PRIOR APPLICATION NUMBER: 09/976,787
14 <151> PRIOR FILING DATE: 2001-10-12
16 <150> PRIOR APPLICATION NUMBER: 09/493,539
17 <151> PRIOR FILING DATE: 2000-01-28
19 <150> PRIOR APPLICATION NUMBER: 60/117,726
20 <151> PRIOR FILING DATE: 1999-01-29
22 <160> NUMBER OF SEQ ID NOS: 40
24 <170> SOFTWARE: WordPerfect 8.0 for Windows
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 10
29 <212> TYPE: PRT
30 <213> ORGANISM: Mus musculus
32 <400> SEQUENCE: 1
34   Gly Phe Asn Ile Lys Asp Phe Tyr Met His
35           5                      10
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 17
40 <212> TYPE: PRT
41 <213> ORGANISM: Mus musculus
43 <400> SEQUENCE: 2
45   Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe Gln
46           5                      10                      15
48   Gly
49   17
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 8
54 <212> TYPE: PRT
55 <213> ORGANISM: Mus musculus
57 <400> SEQUENCE: 3
59   Tyr Tyr Gly Asp Tyr Glu Gly Tyr
60           5
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 10
65 <212> TYPE: PRT
66 <213> ORGANISM: Mus musculus
68 <400> SEQUENCE: 4
70   Ser Ala Ser Ser Ser Val Ser Tyr Met His

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71                               5                               10
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 7
76 <212> TYPE: PRT
77 <213> ORGANISM: Mus musculus
79 <400> SEQUENCE: 5
81  Ser Thr Ser Asn Leu Ala Ser
82                               5
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 9
87 <212> TYPE: PRT
88 <213> ORGANISM: Mus musculus
90 <400> SEQUENCE: 6
92  Gln Gln Arg Ser Ser Tyr Pro Phe Thr
93                               5
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 117
98 <212> TYPE: PRT
99 <213> ORGANISM: Mus musculus
101 <400> SEQUENCE: 7
103  Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Gly Ser Gly Ala
104                               5                               10                               15
106  Ser Val Lys Leu Ser Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Phe
107                               20                               25                               30
109  Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
110                               35                               40                               45
112  Gly Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe
113                               50                               55                               60
115  Gln Gly Lys Ala Thr Met Thr Ala Asp Ser Ser Ser Asn Thr Ala Tyr
116                               65                               70                               75                               80
118  Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
119                               85                               90                               95
121  Asn Ala Tyr Tyr Gly Asp Tyr Glu Gly Tyr Trp Gly Gln Gly Thr Thr
122                               100                              105                              110
124  Val Thr Val Ser Ser
125                               115
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 108
130 <212> TYPE: PRT
131 <213> ORGANISM: Mus musculus
133 <400> SEQUENCE: 8
135  Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
136                               5                               10                               15
138  Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
139                               20                               25                               30
141  His Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr
142                               35                               40                               45
144  Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
145                               50                               55                               60

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```

147  Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
148    65                70                75                80
150  Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Tyr Pro Phe Thr
151                85                90                95
153  Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala
154                100                105
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 30
159 <212> TYPE: DNA
160 <213> ORGANISM: Mus musculus
162 <400> SEQUENCE: 9
164  ggc ttc aac att aaa gac ttc tat atg cac
165  Gly Phe Asn Ile Lys Asp Phe Tyr Met His
166    1                5                10
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 51
171 <212> TYPE: DNA
172 <213> ORGANISM: Mus musculus
174 <400> SEQUENCE: 10
176  tgg att gat cct gag aat ggt gat tct ggt tat gcc ccg aag ttc cag
177  Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe Gln
178    1                5                10                15
180  ggc
181  Gly
182    17
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 24
187 <212> TYPE: DNA
188 <213> ORGANISM: Mus musculus
190 <400> SEQUENCE: 11
192  tac tat ggt gac tac gaa ggc tac
193  Tyr Tyr Gly Asp Tyr Glu Gly Tyr
194                5
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 30
199 <212> TYPE: DNA
200 <213> ORGANISM: Mus musculus
202 <400> SEQUENCE: 12
204  agt gcc agc tca agt gta agt tac atg cac
205  Ser Ala Ser Ser Ser Val Ser Tyr Met His
206                5                10
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 21
211 <212> TYPE: DNA
212 <213> ORGANISM: Mus musculus
214 <400> SEQUENCE: 13
216  agc aca tcc aac ctg gct tct
217  Ser Thr Ser Asn Leu Ala Ser
218                5

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221 <210> SEQ ID NO: 14
222 <211> LENGTH: 27
223 <212> TYPE: DNA
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 14
228   cag caa agg agt agt tac cca ttc acg           27
229   Gln Gln Arg Ser Ser Tyr Pro Phe Thr
230                                     5
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 351
235 <212> TYPE: DNA
236 <213> ORGANISM: Mus musculus
238 <400> SEQUENCE: 15
240   cag gtc aag ctg cag cag tct ggg gca gag ctt gtg ggg tca ggg gcc           48
241   Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Gly Ser Gly Ala
242   1                                     5 10 15
244   tca gtc aaa ttg tcc tgc aca act tct ggc ttc aac att aaa gac ttc           96
245   Ser Val Lys Leu Ser Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Phe
246   20 25 30
248   tat atg cac tgg gtg aag cag agg cct gaa cag ggc ctg gag tgg att           144
249   Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
250   35 40 45
252   gga tgg att gat cct gag aat ggt gat tct ggt tat gcc ccg aag ttc           192
253   Gly Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe
254   50 55 60
256   cag ggc aag gcc acc atg act gca gac tca tcc tcc aac aca gcc tac           240
257   Gln Gly Lys Ala Thr Met Thr Ala Asp Ser Ser Ser Asn Thr Ala Tyr
258   65 70 75 80
260   ctg cag ctc agc agc ctg aca tct gag gac act gcc gtc tat tac tgt           288
261   Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
262   85 90 95
264   aat gca tac tat ggt gac tac gaa ggc tac tgg ggc caa ggg acc acg           336
265   Asn Ala Tyr Tyr Gly Asp Tyr Glu Gly Tyr Trp Gly Gln Gly Thr Thr
266   100 105 110
268   gtc acc gtc tcc tca           351
269   Val Thr Val Ser Ser
270   115
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 324
275 <212> TYPE: DNA
276 <213> ORGANISM: Mus musculus
278 <400> SEQUENCE: 16
280   gac atc gag ctc act cag tct cca gca atc atg tct gca tct cca ggg           48
281   Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
282   5 10 15
284   gag aag gtc acc ata acc tgc agt gcc agc tca agt gta agt tac atg           96
285   Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
286   20 25 30
288   cac tgg ttc cag cag aag cca ggc act tct ccc aaa ctc tgg att tat           144

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```

289   His Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr
290           35                40                45
292   agc aca tcc aac ctg gct tct gga gtc cct gct cgc ttc agt ggc agt   192
293   Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
294           50                55                60
296   gga tct ggg acc tct tac tct ctc aca atc agc cga atg gag gct gaa   240
297   Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
298           65                70                75                80
300   gat gct gcc act tat tac tgc cag caa agg agt agt tac cca ttc acg   288
301   Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Tyr Pro Phe Thr
302           85                90                95
304   ttc ggc tcg ggg acc aag ctg gaa ata aaa cgg gcg   324
305   Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala
306           100                105
309 <210> SEQ ID NO: 17
310 <211> LENGTH: 15
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: peptide linker
317 <400> SEQUENCE: 17
319   Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
320           5                10                15
323 <210> SEQ ID NO: 18
324 <211> LENGTH: 45
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: nucleic acid encoding peptide linker
331 <400> SEQUENCE: 18
333   ggt gga ggc ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcg   45
334   Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
335           5                10                15
338 <210> SEQ ID NO: 19
339 <211> LENGTH: 10
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: peptide linker
346 <400> SEQUENCE: 19
348   Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
349           5                10
352 <210> SEQ ID NO: 20
353 <211> LENGTH: 15
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: nucleic acid encoding peptide linker
360 <400> SEQUENCE: 20

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**VERIFICATION SUMMARY**

DATE: 06/09/2005

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TIME: 16:45:26

Input Set : A:\SeqListing.txt

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